

CLAIM SET AS AMENDED

1-6. (Cancelled)

7. (Previously Presented) The piezoelectric speaker according to claim 29, wherein said frame is substantially rectangular.

8. (Previously Presented) The piezoelectric speaker according to claim 7, wherein said frame has a length dimension and width dimension, said length dimension being larger than said width dimension, and wherein said frame is curved along said length dimension.

9. (Previously Presented) The piezoelectric speaker according to claim 8, wherein a curvature of said frame has a radius of curvature in a range of 210 mm to 360 mm.

10. (Previously Presented) The piezoelectric speaker according to claim 29, wherein said fastener is a hook-and-loop fastener.

11. - 12. (Cancelled)

13. (Previously Presented) The piezoelectric speaker according to claim 18, wherein said fastener is a hook-and-loop fastener.

14. (Previously Presented) The piezoelectric speaker according to claim 19, one of said pair of joined frame pieces including a film-receiving recess for receiving said piezoelectric film therein.

15. (Previously Presented) The piezoelectric speaker according to claim 18, wherein said frame is substantially rectangular.

16. - 17. (Cancelled)

18. (Previously Presented) A piezoelectric speaker, comprising:
a frame having an opening therein, the opening extending between a back surface and a front surface of the frame;
a piezoelectric film having a back surface area larger than the opening in said frame, the piezoelectric film being located on said back surface of said frame and covering said opening;
a laminating film having a central portion and a peripheral portion, the central portion covering and protecting an entire back surface of said piezoelectric film, and the peripheral portion extending beyond all sides of the piezoelectric film for covering and protecting sides edges of the piezoelectric film that are perpendicular to the back surface, and for attaching to peripheral portions of said back surface of said frame; and

a fastener secured to said laminating film at a position overlapping edges of the piezoelectric film but not overlapping the opening, the fastener for detachably fastening a back side of said piezoelectric speaker to an exposed inner surface of a shell of a helmet, and a front side of the piezoelectric film being exposed.

19. (Currently Amended) A speaker system for attachment to an inner surface of a helmet, said speaker system comprising:

a piezoelectric film speaker functioning as a main surface, oscillating in response to an input signal and having a peripheral portion thereof;

an ear side frame and a shell side frame piece which clamp together over back and front surfaces of the peripheral portion of the piezoelectric film,

one of the shell side frame pieces piece having multiple claws, each of the claws having a solid plate-shaped portion extending orthogonally to ear side and shell side surfaces of the shell side frame, and an inward extending portion extending inward toward a center of the shell side frame,

the claws capable of holding the piezoelectric film speaker between the frame pieces when the claws are clamped into L-shaped recesses formed on edges of the other of the ear side frame pieces piece, and

the claws being capable of releasing the piezoelectric film speaker from between the frame pieces when the claws are unclamped from the L-shaped recesses formed on the edges of the other of the frame pieces,

the ear side frame piece and the shell side frame piece each having a center opening, the center openings extending through the frame pieces and exposing a central portion of a front side of the piezoelectric film to a person's ear, and the piezoelectric film speaker being supported by the frame pieces,

wherein an electrode wiring connects to the piezoelectric film speaker and passes through a runoff portion formed in an edge of the frame.

20. (Previously Presented) The speaker system of claim 19, wherein the frame pieces support the piezoelectric film speaker in a curved state.

21. (Cancelled)

22. (Previously Presented) The helmet including the speaker system defined in claim 19, said speaker system being fixedly attached on an inner surface of a shell of said helmet.

23. (Previously Presented) The helmet of claim 22, wherein the speaker system is fixedly attached on the inner surface of the helmet shell using a detachable fastener.

24. (Previously Presented) The piezoelectric speaker according to claim 29, wherein the fasteners are formed as hook-and-loop fastener strips on outer sides thereof and are stuck on opposite sides thereof on portions of the laminated film not overlapping the opening of the frame.

25. (Previously Presented) The piezoelectric speaker according to claim 18, wherein the fasteners are formed as hook-and-loop fastener strips on outer sides thereof and are stuck on opposite sides thereof on portions of the laminated film not overlapping the opening of the frame.

26. (Previously Presented) The piezoelectric speaker according to claim 29, wherein an outer edge of the laminated film extends beyond the fasteners to an outer edge of the frame.

27. (Previously Presented) The piezoelectric speaker according to claim 18, wherein an outer edge of the laminated film extends beyond the fasteners to an outer edge of the frame.

28. (Previously Presented) The helmet including the speaker system defined in claim 19, wherein the frame pieces are detachable from one another in order to replace the piezoelectric film speaker.

29. (Previously Presented) A piezoelectric speaker, comprising:
a curved frame having an opening therein, the opening extending between a back surface and a front surface of the frame;
a piezoelectric film having a surface area larger than the opening in said frame and having width and length dimensions smaller than width and length dimensions of the frame,

the piezoelectric film being centrally located on said back surface of said frame and covering said opening but not covering portions of the back surface of the frame adjacent to a perimeter of the frame, the piezoelectric film being supported by the curved frame and having a radius of curvature substantially equal to a radius of curvature of the frame;

a laminating film for covering and protecting the back surface and outer edges of said piezoelectric film, the laminating film having width and length dimensions greater than the width and the length dimensions of the piezoelectric film and extending over and attaching to the portions of the back surface of the frame adjacent to the perimeter of the frame; and

a fastener secured to said laminating film at a position overlapping edges of the piezoelectric film but not overlapping the opening, the fastener for detachably fastening a back side of said piezoelectric speaker to an exposed inner surface of a shell of a helmet, and a front side of the piezoelectric film being exposed.